

CSMAC WG 3 – Status Report

CSMAC WG3 Co-Chairs: Col. Harold Martin,
Dr. Alexander Gerdenitsch and Dr. Robert Kubik
CSMAC Liaisons: Rick Reaser and Charlie Rush

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Key Subject Areas

Subject	Preliminary Findings	Key next steps
Interference from commercial mobile devices into satellite receivers.	Preliminary analysis based on current assumptions applied to 2001 NTIA/DoD study shows that interference is acceptable.	Detailed study using non-public information is under development by DoD.
Interference from satellite earth terminals into commercial base station receivers.	Based on current analysis there will be zones around the satellite terminals where interference is above the acceptable level, mitigation methods can significantly reduce the zone to acceptable sizes.	Phase 2 of the study based on non-public information is under development by DoD.
Electronic Warfare (EW)	EW operations are acceptable under the current Non-Interference Basis to authorized services.	Review and agree to recommendations to improve current coordination procedures for EW.

No changes to Preliminary Findings to Date

Interference from commercial mobile devices into satellite receivers

- Status:
 - Based on the assumption that the band will be used for mobile device operations, the preliminary finding is that sharing is feasible.
 - The report from DoD has yet to be released to the Working Group.
- Key Blockers:
 - Final release of the DoD study to the Working Group.
- Key Discussion Points:
 - While the current assumptions leads to a conclusion of capability, some recommendations need development to ensure the systems remain compatible in the future as the mobile traffic grows.

No changes in status since Jan 2013 CSMAC meeting

Interference from satellite earth terminals into commercial base station receivers

- Status:
 - Phase 1 of the study based on public information is complete and accepted by the working group. This study is already included in the draft final report. Results indicate mitigation methods can significantly reduce the size of the zone of interference (e.g. satellite earth terminal power control, taking account of realistic antenna patterns for earth terminal transmitters and base station receivers). The Department of Defense has not yet reviewed these potential mitigation techniques for viability, fiscal impact and operational suitability. That review will be conducted after completion of this Phase I study report during the development of the Working Group 3 Final Report.
 - Phase 2 of the study is based on non-public information and is currently under development. Phase 2 will more accurately represent the satellite systems and provide a more accurate representation of interference.
- Key Blockers:
 - Amount of detail that can be released from Phase 2 studies and timing for completion of Phase 2 studies.
- Key Discussion Points:
 - Methods to enhance direct interaction between commercial operators and satellite earth terminal operations so that operators can decide on the most appropriate mitigation methods that should be used.

Electronic Warfare (EW)

- Status:
 - The DoD proposal for improved current coordination procedures for EW was released to the WG for review.
- Key Blockers:
 - Currently no key blockers, however the group is working on a revision of the EW recommendations
- Key Discussion Points:
 - Need to complete WG review for incorporation into final report.

Schedule for Final Report

Deadline	Item	Status
12/31/12	Issue Final Draft Phase 1 Study of Satellite Uplinks into Commercial Base Stations	Completed
1/22/13	Final Review and Consensus Agreement on Phase 1 Study	Completed
1/22/13	Issue Draft EW Recommendations	Completed
2/4/13	Final Review and Consensus Agreement on EW Recommendations	2 Week Delay to 2/18/13
2/20/13	Issue Final Draft of Interference Study of Cell into Satellite Operations	2 Week Delay to 3/6/13
2/21/13	Issue Final Draft Phase 2 Study of Satellite Uplinks into Commercial Base Stations	1 Week Delay to 2/28/13
2/27/13	Final Review and Consensus Agreement on Cell into Satellite Operations Study	2 Week Delay to 3/13/13
2/28/13	Final Review and Consensus Agreement on Phase 2 Study	2 Week Delay to 3/14/13
3/4/13	Issue Draft Final Report	2 Week Delay to 3/18/13
3/14/13	Final Review of Comments on Draft Final Report	2 Week Delay to 3/28/13
3/21/13	Issue Final Consensus Report	2 Week Delay to 4/4/13

Schedule is dependent on government meets delivery timelines and assumes DoD study results and outputs will be generally acceptable by Industry